

CLAIMS

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- 5 1. A plate for printing comprising:
 a mask with an opening area and a non-opening area;
 a plate framework with at least four sides, on which said mask is fixed;
 and
 a paste removing member.
- 10 2. The plate for printing according to Claim 1,
 wherein said paste removing member is so structured as to have a flat
 area and a slanting area.
- 15 3. The plate for printing according to Claim 1,
 wherein said paste removing member is disposed on said mask's non-
 opening area.
- 20 4. The plate for printing according to Claim 1,
 wherein said paste removing member is disposed on a printing start side
 or on a side opposite to said printing start side thereof.
- 25 5. The plate for printing according to Claim 1,
 wherein said paste removing member is disposed on a printing start side
 and a side opposite to said printing start side, respectively.
- 30 6. The plate for printing according to Claim 1,
 wherein said paste removing member is disposed on a side of said plate
 framework that is perpendicular to squeegee's forward moving direction.
7. The plate for printing according to Claim 6,
 wherein said paste removing member is formed in a one-piece structure
25 with a side of said plate framework.
8. The plate for printing according to Claim 7,
 wherein a spacing between said paste removing member and said side of
 said plate framework is sealed with resin and the like.
- 30 9. The plate for printing according to Claim 1,
 wherein a degree of surface smoothness of said paste removing member is
 equal to or higher than a degree of surface smoothness of said mask.
10. The plate for printing according to Claim 1,

- wherein a coefficient of friction of said paste removing member is smaller than that of said mask.
11. The plate for printing according to Claim 1,
wherein a length of said slanting area is made same as or longer than
5 squeegee's thickness.
12. The plate for printing according to Claim 1,
wherein a slanting angle of said slanting area is made almost same as
an angle complementary to squeegee's printing angle.
13. A plate for printing comprising:
10 a mask with an opening area and a non-opening area;
a plate framework with four sides, on which said mask is fixed;
and
a paste removing member formed of a flat area and a slanting area, both
together constituting a side of said plate framework that is perpendicular
15 to squeegee's moving forward direction.
14. A method of printing a paste on an object to be printed with said paste by
means of said plate for printing according to Claim 1, comprising a step of
removing a paste located at squeegee's non-printing side by means of said
paste removing member before printing is started.
- Sub 20 15. The method of printing a paste according to Claim 14,
wherein a squeegee is lowered in position, and is brought into contact with
and slid on said paste removing member, respectively.
16. The method of printing according to Claim 14,
wherein said paste is Newtonian or dilatant.
- 25 17. The method of printing according to Claim 14,
wherein said object to be printed with said paste is prepared by laminating
a mask film on both surfaces of a board, respectively, and also by
forming a through hole therein; and
said paste is filled in said through hole by said printing method.
- 30 18. The method of printing a paste according to Claim 14,
wherein said printing is performed by using a plate for printing that has
said paste removing member at both printing start side and side opposite

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to said printing start side, respectively, and by means of two squeegees of moving forth and moving back.

19. The method of printing according to Claim 14,

wherein said paste is formed of a metallic powder, a thermosetting resin and a curing agent and exclusive of a solvent.

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20. A plate for printing that has a paste removing member disposed in such a way that at least a moving back squeegee passes said paste removing member when two squeegees of moving forth and moving back are used in printing a paste.

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